

REVERSE GATE FOR A WATERCRAFT

Abstract

A system and method for constructing a reverse gate for a watercraft is disclosed. The reverse gate is independently rotatable relative to a watercraft and a steering nozzle and includes at least two curved surfaces. The curved surfaces are attached to one another to form an apex that is offset from a midpoint of the reverse gate and the reverse gate is attached to the watercraft so that the apex is also offset from a center axis of a steering nozzle oriented relative thereto. Water discharged from the steering nozzle can be diverged at the apex of the reverse gate to provide lateral and reverse thrust to the watercraft. The reverse gate includes an additional curved section contained within one of the at least two curved sections to provide improved lateral thrust to the watercraft.